RYRYR DE ANARTS RYRYR DE ANARTS RYRYR DE ANARTS RYRYR

Good morning/evening it is Sunday the 16th of April 2006

and here is ANARTS with our weekly RTTY broadcast bringing

you - cast 1392.

We transmit on 40 metres 7042 each Sunday morning at 0030

UTC and 80 metres 3542 each Sunday evening at 0930 UTC.

Selected items from this cast are also transmitted by

the Westlakes Amateur Radio Club. Time of transmission is

1930 local time on Tuesdays and the frequency is 146.775MHZ.

ANARTS now has a web site at www.anarts.com.au

where information about the society can be found, as well as

the weekly broadcast texts.

Views expressed in this news bulletin are not necessarily

those of the Broadcast Officer, the Relay Officers, or of

the Society.

Items in this broadcast include

1. Cols column

2. IPS REPORT

3. VK2SG RTTY DX report

4. OPDX Bulletin

5. Anarts Information

A.N.A.R.T.S. News Bulletin 1392 for 16th of April 2006

Col's Column

Propagation of Radio Waves.

Introduction, continued.

The intensity of a radio wave is measured in terms of the voltage

stress produced by the electrostatic field of the wave, which is

normally expressed in microvolts per metre (uV/M).

This strength in microvolts, is also exactly the same voltage as

the electromagnetic flux of the wave induced in a conductor. For

example, an antenna, one metre long when sweeping across the

conductor with the velocity of light.

The minimum field strength required to give a satisfactory reception

of a radio wave varies with the amount of interference present. Under

favourable conditions, field strengths of less than 1 uV/M will

produce intelligible signals.

Much greater field strengths are generally necessary however, because

of interference waves generated by man-made and natural sources.

In rural areas, experience has shown that it normally requires a much

lower field strength to ensure good reception at all times than is

required in urban areas where man-made interference is much greater.

This is one of the arguments for remotely locating the receivers of

commercial or communication organisations.

Ground and Sky waves.

The energy radiated from a transmitting antenna located near the

earths surface can be conveniently divided into Ground and Sky waves.

The Ground wave represents the energy travelling along the surface

of the earth, and its behaviour depends on the frequency and

character of the surface involved.

The Sky wave on the other hand represents the energy radiated at an

angle above the horizontal, and its ultimate behaviour is determined

by the ionised regions in the upper atmosphere.

Next week we shall look more closely at the Ground wave
and in the

weeks ahead, the much bigger subject of Sky waves.

For information, in RTTY mode, I cannot express
Microvolts per Metre

correctly, the u is actually the greek character Mu, and
uV/m is the

closest RTTY will allow.

73's Colin VK2CTD

IPS Weekly Solar and Geophysical Report for 7th to 13th
April,

issued on 14th April by the IPS Radio and Space Services

SUMMARY

Date 07 08
09 10 11
12 13

10cm flux 95 91
89 89 90
81 80

AFr index 2 3
27 11 3
1 (15 estimated)

Aaus index 2 4
19 13 4
1 (13 estimated)

T index 27 29
40 39 28
27 24

Solar flare activity was very low on 8th to 10th, 12th
and 13th; and low otherwise.

Geomagnetic activity observed for the Australian Region was
quiet on 7th, 8th, 11th and

12th’ quiet to active on 10th and 13th; and unsettled to
active on 9th.

Southern Australian Ionospheric F2 critical frequencies
were near predicted on 7th and 11th to 13th; near predicted to 20 per cent
enhanced on 8th; enhanced 15 to 25 per cent on 9th; and enhanced 15 per cent on
10th.

Forecast for 14th to 20th April

Solar activity should be low.

Geomagnetic activity should be unsettled to active
14th-16th, with possible storm periods.

Unsettled on 17th, and quiet to unsettled on other days.

Frequencies could be briefly depressed after local dawn
14th-17th. High latitude disturbances are possible 14th-17th, and near
predicted monthly values on other days.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

VK2SG RTTY DX NOTES FOR WEEK ENDING 13 APRIL 2006 (BID
RTDX0413)

This week our information came from AA5AU, GU0SUP, I5FLN,
K3GP, 425-DX

and the Central Europe clusternode DB0SPC. Thank you all.

Friday 7

0029--7038 VQ9LA

0038--7035 KP4ED

0311--7040 YY5PPG

0817-14080 P29ZAD

1057-14086 JW0HZ

1105-14087 CU6NS

1125-14083 GI4WXA

1223-14082 YB0JIV

1224-14087 YB0COU

1243-18102 VQ9LA

1324-14083 UN7CN

1612-14081 FR1HZ

1633-14083 XU7ABN

1648-14085 YI1OM

1724-14086 3B9FR

1746-14084 KP4ED

1812-14084 TI8CBT

1824-14080 J5UAP

1858-14083 FM5AA

1955-14087 FG5GK

2024-14080 LU5DIT

2033-14082 HP1DCP

2040-14081 HI8NAN

2104-14082 P29ZAD

2133-14086 VK2KM

2152-14085 CN8KD

2253--7037 CN8KD

2255--7039 EA6BH

2308--7035 KP4ED

Saturday 8

0306--7036 YY5PPG

0923-14082 9K2YM

1117-21082 HZ1NH

1207-10135 KP4JRS

1235-14089 UN8PIM

1300-14087 YB0JIV

1313-14079 P29ZAD

1317-14083 HZ1NH

1319-14084 EP3AG

1327-14094 VR2XLN

1436-14082 GI4WXA

1515-18101 WP3C

1552-14087 IS0/IK4LHC

1656-14092 YB0AZ

1808-14087 DV1JM

1834-14082 OX3JZ

1843-14085 TA1DX

1907-14084 FG5FI

1933-14088 SU1SK

1942-14084 HK4QMH

1945-14087 XE1ZVO

2029-14094 TI8CBT

2030-14092 EA8AUW

2112-14087 CU6NS

2148-14082 HI8NAN

2149-14081 KP4ED

2154-14087 HR5/LU1DY

2204-14092 FG5FI

2208-14082 PY7RP

2209-14083 HP1JRA

2326-14092 PY3PDR

Sunday 9

0009--7040 YY5PPG

0622-10135 KP4JRS

0730-14083 5N8NDP

0919-14085 HZ1NH

1019-14085 ER3ZZ

1020-18095 EK6LF

1051-18102 PT7AZ

1128-18102 T68G

1146-18103 JW4GHA

1152-14080 P29ZAD

1214-21081 YI1OM

1247-14080 YB0JIV

1251-14081 VK2KM

1318-21087 3B9FR

1429-14087 XE3ISS

1439-14083 HC5T

1502-14085 TI8CBT

1503-18104 3B9FR

1525-18099 VQ9LA

1535-18105 TR8CA

1558-18099 TI8CBT

1616-18100 5H3WJ

1703-14083 XU7ABN

1806-14082 4L4KK

1833-14087 PY2FR

1918-14084 KP4ED

1919-14081 EK6TA

1931-14079 PY7ZZ

2020-14083 FG5FI

2023-14085 HK4QHD

2024-14086 XE3ISS

Monday 10

0059-14083 TR8CA

1013-14080 P29ZAD

1133-14085 HZ1NH

1231-14086 VK2AWD

1338-14081 VK2KM

1413-14084 EP3AG

1421-14083 UN8PIM

1423-14094 GM0NBM

1439-14081 A47RS

1450-14083 VU2SWS

1507-10136 EY8DQ

1520-14081 EK6TA

1722-14087 PZ5RA

1732-14086 HR2/LU1DY

1836-14083 CU6NS

1839-14082 FM5AA

1842-14084 TI8CBT

1936-14086 SV9CJO

1947-14083 9K2YM

1957-14081 PY7ZZ

2017-14093 5X1GS

Tuesday 11

1312-21082 PZ5RA

1359-14081 YB1YG

1406-18102 4Z5AV

1422-14087 VR2XMT

1436-14087 EW1AK

1656-14086 IH9YMC PANTELLERIA

1753-14081 TR8CA

1806-14087 TA3J/0

1822-14083 LU5DT

1952-14083 FM5AA

1956-14084 CU5AM

2006-14088 TI8CBT

2012-14081 HR9/EA1APV

2013-14089 CU2AF

2031-14082 LU5DIT

2042-14093 FG5FI

2045-14082 TF3PPN

2103-14081 HK6PSG

2129-14085 XE3ISS

Wednesday 12

0203-14082 UN7PBY

0757-18102 SV9CJO

0832-18101 J5UAP

0954-21092 J5UAP

1102-18105 S01R   via EA5RM

1128-21080 S01R

1247-14083 VR2BG

1303-14080 VR2XLN

1311-14087 XW1A

1341-21082 3B8/ON4LAC

1342-21085 CU6NS

1408-21088 DU1UGZ

1442-21091 9M6/G3OOK

1454-14088 HZ1NH

1513-21087 SU1SK

1538-10143 UN7PBY

1546-21089 FM5AA

1547-18103 9M9/G3OOK

1554-14086 ER3MM

1557-10139 9M6/G3OOK

1600-21088 5H3WJ

1605-14081 EK6TA

1704-14083 XU7ABN

1716-14082 OX3JZ

1729-14082 SV9GPV

1740-14085 TF3AO

1758-21080 SO1R

1817-14084 S01R

1831-14081 EK8WA

1901-14085 XW1A

1915-14081 FG5GK

1944-14091 FM5AA

1949-14081 TA3J/0

1955-14081 9H4C

1958-14089 CN8KD

2016-14089 PY2FR

2050-14080 TR8CA

2052--7036 CN8NK

2106-14090 TI8CBT

2157-14085 KP4ED

2212-14085 LX1DA

cq cq de vk2tty vk2tty

Thursday 13

0020-14083 XW1A

0304-14082 EK8WA

0618-14087 PT8CWA

0924-18102 HZ1NH

1135-14083 KP4ED

1137-14084 EP3AG

1141-14087 LX1EA

1142-14086 XE3ISS

1150-14085 EK6LF

1250-18100 TI8CBT

1253-14088 VR2XLN

1310-14084 CU5AM

1315-14084 HZ1NH

1324-14090 EA6/I1RSA

1341-14085 C31BO

1401-14087 YB0IR

1412-18101 YB1YG

1430-14083 CU6NS

1434-14089 UA0LH

1518-14090 3B8/ON4LAC

1655-14085 TF3AO

1701-14085 OX3DB

1749-14094 SV9CVY

1804-14080 S01R

1843-18100 J5UAP

1900-24920 J5UAP

1942-18100 FM5JC

2034-14088 CN8KD

2039-10142 FM5JC

2055-14080 P29ZAD

2216-14080 S01R

2231-18102 TG9AKH

Notes of Interest

ANDAMAN ISLANDS - VU4: VU4AN will be the
"prefix" for the 18-25 April

activities from the Andaman Islands. All licenced
operators will have

a VU mainland callsign that will be prefixed with VU4AN/.
For a list

of operators/callsigns check

http://www.niar.org/hamfest/participants.html.

AVES ISLAND - YV0: YX0A is expected to hit the airwaves
on 19 April

and stay there until 1 May approximately. Check these
frequencies for RTTY:

3570, 10137, 14085, 18100, 21085, 24920 and 28080 kHz.
QSL via KU9C.

MONGOLIA - JT: Several Italian hams will operate from
Mongolia 19

April to 8 May as JT1Y from Ulanbaatar and as JT0Y from
Oigij using CW, SSB,

RTTY and PSK. QSL via I0SNY.

SYRIA - YK: N5FF, Saad plans to be active as YK1BA from
Damascus 17

April to 5 May. He will operate in his spare time on HF
using SSB, CW and

RTTY. QSL via homecall.

VANUATU - YJ: Guenter, DL2AWG will operate from Port Vila
April 19 to

May 1. Look for him on 10-40 metres SSB, RTTY and PSK.
Callsign might be

YJ0AWG or YJ0WG. QSL via DL2AWG.

The VK2SG RTTY DX NOTES are distributed every week via
the

Winlink network, and are also available on the Internet
at

URL http://mailman.qth.net/mailman/listinfo/vk2sg-rtty

and the digital-dx reflector.

To subscribe to the digital-dx reflector, send an e-mail

message to majordomo@mla.nifty.ne.jp as follows:

Subject:(blank) Message Body: subscribe digital-dx

For next week's bulletin, send your bandpass and notes of

interest to Don, AA5AU, e-mail: aa5au@bellsouth.net

Goetz Linss DJ3IW

The Ohio/Penn DX Bulletin - excerpts

6W & J5, SENEGAL AND GUINEA-BISSAU

Peter, HA3AUI, has announced that he has prolonged his
stay in Africa and will

now be active from both from Senegal (as 6W/HA3AUI) and
Guinea-Bissau (as J5UAP)

until June 10th. Look for activity on 20/17/15/12/10
meters, SSB, with some

possible PSK and RTTY. He was heard this past week from
J5-land on 20 meters

RTTY. QSL via his home callsign direct only.

8Q, MALDIVES (Correction/Update)

Simon, M0BOX, is now active as 8Q7BO from the Kuredu
Island Resort (AS-013 --

not AS-018 as mentioned last week..), now through April
20th. He was heard on

PSK Sunday on 15 meters around 1023z. Look for activity
during his spare time on

all bands 40-10 meters, the WARC bands included. Simon
will concentrate on the

digital modes, mainly PSK31 plus RTTY and maybe SSTV if
requested, and of course

SSB. Further information and updates can be found at:

http://www.btinternet.com/~m0box/

cq cq de vk2tty vk2tty

C9, MOZAMBIQUE (Update/Still Looking For Ops!)

Frosty, K5LBU/C91CF, announced that they now have one CW
and one SSB operator

signed on for the Dxpedition to Mozambique this
June-July. They will be there

and on the air from June 29th to July 13th. He states
that they would like to

have at least 2 more operators join them. They plan to be in the IARU Contest.

They will also operate on EME on 6-2m and 70cm and plan to do PSK and RTTY in

their spare time. They hope to have 2 statons set up but need 2 more CW and one

more SSB operator to make it worth their effort to do both. Check out the Web

site to see the location they will be staying at:

http://www.tdxs.net/C9.html

Frosty will be in Visalia for the International DX Convention if you would like

to talk to him. Or you can call him at home at 281-437-1978 after 5 PM DST.

HA, HUNGARY (Special Activity)

Since March 29th (2006), the Hungarian amateurs can use 50-52 MHz. To celebrate

the long-awaited legalization of that band, the special callsign HA50MHZ will be

aired by Chris, HA5X, through December 31, 2006. Look for this special callsign

on CW/SSB and the digital modes. A short-term award is also in preparation, so

work as many HA/HG stations on 6m as you can. QSLs for HA50MHZ are via HA5X, the

LoTW or eQSL.

HH, HAITI

Operator Glauber, PS7EB, will be active as HH/PS7EB between May 19th and

November 25th. Glauber works for the Brazilian Army and has joined a group of

Brazilian Military Forces that will work together with ONU on a peace program in

Haiti. He will use an IC-746 PRO and a vertical multi-bander antenna and hopes

to be active on both modes CW/SSB and also the digital modes. QSL via PS7EB,

direct (QRZ.com) or by the Bureau. For direct QSLs, please enclose SASE + 1 USD

(or 1 IRC).

IOTA NEWS

Rag, LA6FJA, will operate as DU1/KI4KJP from Luzon Island
(WLOTA LH-0081),

between now and May 1st. Activity will be on
80/40/30/20/17 meters CW, SSB, RTTY

and PSK31. QSL via WY4N (QRZ.com).

SA-NEW. CANCELLED! Zoli/HA1AG and Marco/CE6TBN were
expected to activate a new IOTA this past weekend, but operations were
cancelled due to WX and sea

conditions. The island was to be Pupuya Island in the
O'Higgins/Maule Island

Group of Chile (group E under Chile in the IOTA
Directory). The callsign was to

be XR4PI. Detailed information about the island can be
found at:

http://www.hg6n.hu/ha1ag/xr4pi

cq cq de vk2tty vk2tty

SPECIAL EVENT

Members of Sala Consilina ARI team will operate from
April 15th to May 15th with

the special callsign IO8VAT to celebrate the 75 years of
the foundation of

Vatican Radio. Receive a special QSL card via the bureau
from IZ8AJQ or direct

from: ARI, P.O. Box 11, CAP 84036 Sala Consilina (SA),
ITALY.

YK, SYRIA

Saad, N5FF, informs OPDX that he has postponed his
business trip to the Jordan

(JY) and has decided to proceed with his YK trip earlier
than planned. He will

arrive in Damascus on the evening of April 16th, and
should be active again as

YK1BA from April 17 through May 5th, returning home to
Texas on May 6th. As

usual, the purpose of the trip is not a DXpedition, so
his operating will be

sporadic. However, Saad hopes to be able to operate at
least 3-4 hours a day.

Saad states, "With the current band conditions, I
don't have a solid plan as to

what bands I will be operating on. However, I will operate on whatever bands

(80-10m) and modes that have the best propagation at the time." He suggests that

the most probable operating times are between 0100-0400z, 1900-2200z and

possibly 1100-1400z. Modes of operations will be on SSB and CW, but he will do

his best to work as much RTTY as possible also. QSL via N5FF.

YX0, AVES ISLAND (Update)

Members of the Association of Radioamateurs of Venezuela (ARV) and the Grupo DX

Caracas (GDXC) will activate Aves Island (Isla de Aves), on April 19th for two

weeks (if everything goes as planned, no promises here because they depend on

the Venezuelan NAVY for transport- ation and the landing permit). See details in

OPDX.753. Jose (Joe), YV5LIX, announced this past week that he will be the

DXpedition's digital modes coordinator for the YX0A operation. Modes will be

RTTY, PSK31 and PSK63.

For more details and updates, visit the YX0A Web page at:

http://www.yv0.info/

Cq cq de vk2tty vk2tty

The Society can be contacted in the following ways:

To Pat VK2JPA via patleeper at optusnet.com.au or

Col VK2CTD via ctdavies at bigpond.net.au or

you can drop a line to PO Box 93 Toongabbie NSW 2146.

73’s for this week from Pat VK2JPA Broadcast Officer.

NNNN